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TOXICOLOGY DEPARTMENT

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Document Processing Center (TS-790)
Office of Toxic Substances
US Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

Attn: Section 8(e) Coordinator (CAP Agreement)

RE: Report Submitted Pursuant to the TSCA Section 8(e) Compliance Audit Program

CAP ID No.: 8ECAP - 0004

Dear Sir/Madam:

On behalf of Rhône-Poulenc Inc. (RPI, CN 5266, Princeton, NJ 08543-5266) and its subsidiary Rhône-Poulenc Ag Company, the attached study report is being submitted to the Environmental Protection Agency (EPA) pursuant to the Toxic Substances Control Act (TSCA) Section 8(e) Compliance Audit Program and the Agreement for a TSCA Section 8(e) Compliance Audit Program (CAP Agreement) executed by RPI and EPA.

The enclosed study report provides information on MCTR-170-77. The CAS number and name for this chemical are 25134-08-1 and dichlorobenzoyl chloride. This compound is used by RPAC as an intermediate in pesticide manufacture.

No claims of confidentiality are made for this submission. The title of the enclosed report is "Approximate Acute Oral Toxicity (LD50) in Rats". The following is a summary of the adverse effects observed in this study.

This study is being submitted under Section 8(e) because of the observed effects. At a nonlethal dose of 1.0 ml/kg, decreased activity, salivation, diarrhea, and tremors were noted. At higher doses with 30 to 100% mortality, sedation, urination, nasal discharge, and ataxia were observed in addition to the signs noted at 1.0 ml/kg. The acute oral LD50 was determined to be 1.58 ml/kg.

No previous TSCA Section 8(e) notices have been submitted on this chemical, but several will be submitted under the CAP.

In total, RPI is submitting three copies of the enclosed report and this cover letter: an original and two copies.

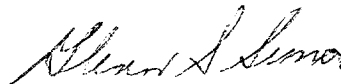
Excellence in Performance — Pride in Achievement



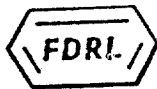
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Further questions regarding this submission may be directed to the undersigned at 919-549-2222.

Sincerely,



Glenn S. Simon, PhD, DABT
Director of Toxicology



FOOD AND DRUG
Research LABORATORIES, INC.

3

WAVERLY RESEARCH CENTER
Route 17C
P. O. Box 107
Waverly, New York 14892
(607) 545-2931

R E P O R T

Submitted to: Mobil Chemical Company
Box 240
Edison, New Jersey

Date: May 27, 1977

Laboratory No. 5486_a

Sample: Pale yellow clear liquid.

Marking: MCTR-170-77; T. Ellison

Examination Requested: Approximate acute oral toxicity (LD₅₀) in rats.

Procedure: The acute (single dose) oral toxicity was determined in rats employing a modified procedure in "Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics, Published by the Association of Food and Drug Officials of the U.S. (1959)".

Animals: Adult albino rats BLU: (LE) BR Long-Evans derived, were fasted for 18 hours prior to dosage with food and water ad libitum, after dosage. Groups of 5 males and 5 females were then intubated with the respective doses of the test material. Animals were observed daily for 14 days following administration of the test material, and deaths were recorded.

The acute oral toxicity LD₅₀ for rats was calculated according to the method of Miller and Tainter (Proc. Soc. Biol. Med. 57, 261 (1944)).

Results and Summary: See Tables 1, 2, and 3

Conclusion: The approximate acute oral LD₅₀ obtained for the test material identified above is 1.58 ± 0.11 ml/kg of body weight estimated by interpolation from the probit response curve.

ACUTE ORAL TOXICITY RATING

2 MODERATELY TOXIC

2.37 ± 0.17 g/kg (Corrected)

Jean Griffiths
Jean Griffiths,
Study Director

John G. Babish
John G. Babish, Ph.D.
Staff Toxicologist
Waverly Research Center

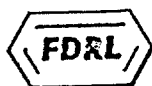


Table 1

Preliminary Search

Dosage* Level ml/kg	No. Rats Dosed	Deaths								Mortality After 7 Days
		0	1	2	3	4	5	6	7	
1.0	2	0	0	0	0	0	0	0	0	0/2
2.5	2	0	2	-	-	-	-	-	-	2/2
5.0	2	0	2	-	-	-	-	-	-	2/2
10.0	2	1	1	-	-	-	-	-	-	2/2
15.0	2	2	-	-	-	-	-	-	-	2/2

* Administered as received.

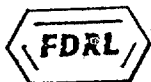


Table 2

Summary of LD₅₀ Assay

3

Dosage* Level ml/kg	No. Rats Dosed	Deaths														Mortality After 14 Days	
		Day															
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1.0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0/10
1.50	10	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3/10
1.75	10	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	8/10
2.00	10	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9/10
2.50	10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	10/10

* Administered as received

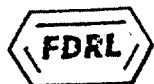


Table 3

Summary of Observations

Dose Level ml/kg	Symptoms	Necropsy Findings
1.0	Activity decreased, Salivation, diarrhea, tremors.	No deaths.
1.5	Activity decreased, ataxia, sedate, salivation.	Mottled liver, skin and GI tract vascularized, blood like sub- stance in bladder.
1.75	Activity decreased, ataxia, blood in nasal discharge, sedate, urinary in- consistency.	Mottled liver, skin and GI tract vascularized, blood contained in GI tract and bladder.
2.00	Activity decreased, ataxia, salivation, sedate, urinary in- consistency, nasal discharge, diarrhea, tremors.	Liver mottled and dark in color, skin and GI tract vascularized, blood contained in GI tract and bladder, yellowish-white sub- stance contained in intestines.
2.50	Activity decreased, ataxia, salivation, nasal discharge, sedate, diarrhea, tremors.	Liver and spleen dark in color, Kidneys pale, skin and GI tract vascularized, stomach distended, yellowish-white substance con- tained in stomach and intestines

Triage of 8(e) Submissions

Date sent to triage: MAY 19 1995

NON-CAP

CAP

Submission number: 12103A

TSCA Inventory:

Y

N

D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO

AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX

SBTOX

SEN

w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX

CTOX

EPI

RTOX

GTOX

STOX/ONCO

CTOX/ONCO

IMMUNO

CYTO

NEUR

Other (FATE, EXPO, MET, etc.):

Notes:

THIS IS THE ORIGINAL 8(e) SUBMISSION; PLEASE REFILE AFTER TRIAGE DATABASE ENTRY

For Contractor Use Only	
entire document: <u>0</u> 1 2 pages <u>1, 2</u>	pages <u>1, 2, 3, 4, 5, 6</u>
Notes:	
Contractor reviewer: <u>POH</u>	Date: <u>4/25/95</u>

CECATS TRIAGE TRACKING DEASE ENTRY FORM

CECATS DATA:
Submission # BEHO-1092-12103 SEQ. # A

TYPE: INT. SUPP FLWP

SUBMITTER NAME: Rhone-Poulenc

Inc.

SUB. DATE: 10/12/92 OIS DATE: 10/21/92 CSRAD DATE: 03/10/95

CHEMICAL NAME: MCTR-170-77 CAS# 25134-08-1

INFORMATION REQUESTED: FLWP DATE:

- 0501 NO INFO REQUESTED
- 0502 INFO REQUESTED (TECH)
- 0503 INFO REQUESTED (VOL ACTIONS)
- 0504 INFO REQUESTED (REPORTING RATIONALE)
- DISPOSITION:
- 0603 REFER TO CHEMICAL SCREENING
- 0607 CAP NOTICE

VOLUNTARY ACTIONS:

- 0401 NO ACTION AT PORT ID
- 0402 STUDIES PLANNED/IN PROGRESS
- 0403 NOTIFICATION OF WORKING STATUS
- 0404 LABEL/MSDS CHANGES
- 0405 PROCESS/HANDLING CHANGES
- 0406 AP/USE DISCONTINUED
- 0407 PRODUCTION DISCONTINUED
- 0408 CONFIDENTIAL

INFORMATION TYPE:

- 0201 ONCO (HUMAN)
- 0202 ONCO (ANIMAL)
- 0203 CELL TRANS (IN VITRO)
- 0204 MUTA (IN VITRO)
- 0205 MUTA (IN VIVO)
- 0206 REPRO/TERATO (HUMAN)
- 0207 REPRO/TERATO (ANIMAL)
- 0208 NEURO (HUMAN)
- 0209 NEURO (ANIMAL)
- 0210 ACUTE TOX. (HUMAN)
- 0211 CHR. TOX. (HUMAN)
- 0212 ACUTE TOX. (ANIMAL)
- 0213 SUB ACUTE TOX (ANIMAL)
- 0214 SUB CHRONIC TOX (ANIMAL)
- 0215 CHRONIC TOX (ANIMAL)

P F C

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- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04

INFORMATION TYPE:

- 0216 EPICLIN
- 0217 HUMAN EXPOS (PROD CONTAM)
- 0218 HUMAN EXPOS (ACCIDENTAL)
- 0219 HUMAN EXPOS (MONITORING)
- 0220 ECO/AQUA TOX
- 0221 ENV. OCCUR/EL/FATE
- 0222 EMER INCI OF ENV CONTAM
- 0223 RESPONSE REQUEST DELAY
- 0224 PROD/COMP/CHEM ID
- 0225 REPORTING RATIONALE
- 0226 CONFIDENTIAL
- 0227 ALLERG (HUMAN)
- 0228 ALLERG (ANIMAL)
- 0229 METAB/PHARMACO (ANIMAL)
- 0240 METAB/PHARMACO (HUMAN)

P F C

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- 01 02 04
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- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04

INFORMATION TYPE:

- 0241 IMMUNO (ANIMAL)
- 0242 IMMUNO (HUMAN)
- 0243 CHEM/PHYS PROP
- 0244 CLASTO (IN VITRO)
- 0245 CLASTO (ANIMAL)
- 0246 CLASTO (HUMAN)
- 0247 DNA DAM/REPAIR
- 0248 PROD/USE/PROC
- 0251 MSDS
- 0259 OTHER

P F C

- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04
- 01 02 04

TRIAGE DATA:

NON-CBI INVENTORY
YES

CAS SR

NO

IN TRIAGE

ONGOING REVIEW

YES (DROP/REFER)

NO (CONTINUE)

REFER

SPECIES

RAT

TOXICOLOGICAL CONCERN:

LOW

MED

HIGH

USE:

intermediate
in pesticide
manuf.

PRODUCTION:

11/22/92

-CPSS- 0927952113

0 0 0 0 0 0 0 0 0 0 0

> <ID NUMBER>

8(E)-12103A

> <TOX CONCERN>

L

> <COMMENT>

ACUTE ORAL TOXICITY IN RATS IS LOW CONCERN BASED ON AN LD50 OF 1.58 ML/KG. DOSE (ML/KG) AND MORTALITY: 1.0 (0/10), 1.5 (3/10), 1.75 (8/10), 2.0 (9/10), AND 2.5 (10/10). DURING A PRELIMINARY STUDY 10 ANIMALS (2/DOSE) WERE ADMINISTERED 1.0, 2.5, 5.0, 10, AND 15 ML/KG OF TEST MATERIAL. MORTALITY OCCURRED AT DOSAGES OF 1.5 ML/KG AND HIGHER. CLINICAL SIGNS INCLUDED DECREASED ACTIVITY, SALIVATION, DIARRHEA, TREMORS, SEDATION, URINATION, BLOOD IN NASAL DISCHARGE, AND ATAXIA. NECROPSY REVEALED MOTTLED AND/OR DARK IN COLOR LIVER, SKIN AND GI TRACT VASCULARIZED, BLOOD-LIKE SUBSTANCE IN BLADDER AND/OR GI TRACT, LIVER AND SPLEEN DARK IN COLOR, PALE KIDNEYS, AND YELLOWISH- WHITE SUBSTANCE IN STOMACH AND INTESTINES.

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